FLEXIBLE, POWERFUL ALL-IN-ONE TOWER COMPUTING

THE LENOVO® THINKSERVER® TD230

The ThinkServer TD230 is an affordable dual-socket tower server that delivers great value. It is ideal for branch / remote offices and growing enterprises that are looking for a powerful server, flexible enough to run most line-of-business applications.

Powered by the latest Intel® Xeon® platform, the ThinkServer TD230 supports up to 12 processor cores and offers up to 60% faster performance than legacy servers.

However, all that power does not mean you will pay more in energy costs. The TD230 features power supplies that are over 90% efficient and the servers are ENERGY STAR® 1.0 compliant which can save up to hundreds of dollars per year in energy costs. The TD230 offers a great balance in up front value, reduced total cost of ownership and provides for future expansion. With dual-sockets, up to 32GB memory and up to 5TB of storage, the TD230 is ready to grow with you.

The TD230 also sets a new bar for out-of-box experience. Setting up your new TD230 can be as easy as 2 clicks of your mouse and the TD230 comes standard with remote management, giving you access to your server from any location.

With superior manageability tools, reliable hardware features, industry-leading green attributes and cost-effective backup solutions, the TD230 is a smart choice for businesses and Managed Service Providers (MSPs), looking for a complete server solution at an affordable price.

IMPRESSIVE FEATURES

High Performance

The TD230 is designed to perform today and tomorrow featuring the latest Intel® based technology and expansion to meet your most demanding needs.

- **Extreme Processing Power**
  Built on the latest Intel® Xeon® platform with up to 12 cores, the TD230 is up to 60% faster than previous generation servers and provides optimum computing power required for increasingly demanding applications
- **Enhanced Memory**
  With 8 memory slots providing up to 32GB scalable memory, the TD230 provides your systems with horsepower to run even the most advanced application
- **Remote Management**
  The TD230 offers management functions for easy installation, easy deployment as well as remote management (standard on select models) ensuring you have access to your server from any location
- **Scalable Storage**
  The TD230 provides up to 5 TB of scalable storage with up to 5 drives cabled or 4 drives hot swap in either low cost SATA or high performance SAS configurations
- **Embedded RAID**
  To protect your data and optimize storage utilization, the TD230 offers advanced RAID built in to every model ensuring your data is always protected
- **Easy Installation**
  The TD230 easily integrates with Lenovo's ThinkVantage® Technologies and supports a 2-click rapid deployment feature using the EasyStartup tool

TOP REASONS TO OWN

- FANTASTIC VALUE FOR A 2 PROCESSOR TOWER SERVER
- TCO SAVINGS HUNDREDS OF DOLLARS PER YEAR WITH ENERGY STAR® 1.0 COMPLIANCE
- UNMATCHED EXPERIENCE WITH SOFTWARE TOOLS AND REMOTE MANAGEMENT
- CONTINUING THE LENOVO RELIABILITY STANDARD FROM THE SAME COMPANY THAT BROUGHT YOU THINKPAD

lenovo®

THERE'S MORE THINKING IN A ThinkServer®

Caring for the Environment

The TD230 is one of the greenest tower servers in the market today. With the TD230, you can save on energy costs while being environmentally responsible.

- **Reduced Energy Costs:**
  The TD230 is ENERGY STAR® for Servers 1.0 qualified. Besides giving you the satisfaction of owning one of the greenest tower servers, the TD230 also helps you save hundreds of dollars annually on energy costs
- **Reduced Noise:**
  The TD230's whisper-quiet operation allows you the flexibility to operate the server anywhere in the office
- **Reduced Carbon Footprint:**
  With more than 90% power efficiency rating (Climate Savers® Computing Silver rating), the TD230 further reduces energy costs, while minimizing your overall carbon footprint

Ideal solutions for Managed Service Providers

Whether it is a large scale deployment or a custom one that requires myriad tools and processes, a Managed Service Provider (MSP) has to overcome various technical challenges while maintaining acceptable operating margins.

The TD230 has been designed with these challenges in mind. With the TD230, MSPs have the following benefits:

- **All-in-one:**
  With flexibility to meet low cost or performance based solutions, low cost backup solutions, simplified remote management and highly efficient power supplies the TD230 can handle virtually any installation configuration
- **Reduced Management Costs:**
  By using the TD230, you can reduce your management cost with our suite of simple to use management tools, including remote management which comes standard on select models. Lenovo has also partnered with industry-leading management console providers to ensure the TD230 seamlessly integrates into their environment
- **Lower Backup Costs:**
  With the easy to deploy RDX backup solutions that feature Data Deduplication technology built-in, it's simple to deploy low cost, highly effective backup solutions

Ideal solution for Enterprises

The TD230 appeals to a wide range of customers given its great value, flexibility of features and simplicity of management.

- **Education solutions for Web Applications:**
  With up to 12 cores, the TD230 delivers uninterrupted performance for web applications and streaming media. Perfect for e-learning solutions
- **Remote / Small Office Server:**
  The TD230 provides incredible value while providing key features like optimized remote management*, hot swap storage and advanced data protection
- **Retail solution for POS and Kiosk:**
  The TD230 provides enough horsepower to handle most any retail POS application, while running whisper quiet to minimize noise interference
- **Select applications or solutions:**
  File/print, small or medium e-mail server, small database or single application server

SERVICE OFFERINGS

BASE WARRANTY

- 1-year onsite
- 3-year onsite

WARRANTY EXTENSIONS AND PRODUCT SUPPORT

- ThinkPlus Priority Support consolidated HW/SW support
  - » 3/5-year ThinkPlus Priority Support
  - » 3/5-year ThinkPlus Priority with Hard Disk Drive Retention
- 3/5-year 9x5 Onsite Next Business Day (NBD)
- 3/5-year Hard Disk Drive Retention

UP AND RUNNING SOLUTION BUNDLES

ThinkPlus® Productivity includes:

- 3-year ThinkPlus Priority Support
- One-time server hardware installation service
- One-time online training – ThinkServer fundamentals

* Select Models

THE LENOVO® THINKSERVER® TD230 SPECIFICATIONS

DESCRIPTION	TD230
Processor	• Intel® Xeon® 5500 series » Intel® Xeon® E5503 » Intel® Xeon® E5506 » Intel® Xeon® E5507 • Intel® Xeon® 5600 series » Intel® Xeon® E5603 » Intel® Xeon® E5606 » Intel® Xeon® E5607 » Intel® Xeon® E5620 » Intel® Xeon® E5630 » Intel® Xeon® E5640 » Intel® Xeon® E5645 » Intel® Xeon® E5649 » Intel® Xeon® L5609 » Intel® Xeon® X5650 » Intel® Xeon® X5660 » Intel® Xeon® X5667 » Intel® Xeon® X5670 » Intel® Xeon® X5672 » Intel® Xeon® X5675
Software	• Genuine Windows Server® 2008 Standard Edition R2 • Genuine Windows Server® 2008 Enterprise Edition R2 • Genuine Windows Server® Small Business Server 2008 Standard (SP2) • Genuine Windows Server® Small Business Server 2008 Premium (SP2) • Novell® SUSE® 11 • Red Hat® REHL® 5 • VMWare® vSphere™ 4.0
Chipset	• Intel® 5500+ ICH10R
Form Factor	• 2P Tower
Memory	• 1333MHz DDR3 Registered RDIMMs (ECC) • 8 slots (32GB Max)
I/O Slots	• 2 x PCIe x8 • 1 x PCIe x8 (x4 electric) • 1 x PCIe x4 • 1 x PCI 32-bit / 33MHz
Ethernet	• Dual Integrated Gigabit Ethernet
Storage Bays	• 4 x 3.5” SAS/SATA hot swap • 5 x 3.5” SATA Direct Connect
RAID	• SATA RAID 0, 1, 10 (chipset) • SATA RAID 5 key (chipset, optional) • SAS/SATA 0, 1, 5, 10 (HW)
Optical Drives	• DVD-RW • DVD ROM
I/O Ports	• 6 x USB 2.0 (2 front and 4 rear) • 1 x Serial port (rear) • 1 x VGA connector (rear)
Management	• iBMC standard • Web Remote Management capable
Power	• 625W Fixed • ENERGY STAR® for servers 1.0 qualified

THE LENOVO® THINKSERVER® TD230 OPTIONS

PROCESSORS

Intel® Xeon® Processors

67Y1448 Intel® Xeon® E5503 Processor Option Kit
67Y1449 Intel® Xeon® E5506 Processor Option Kit
67Y1458 Intel® Xeon® E5507 Processor Option Kit
67Y1457 Intel® Xeon® E5620 Processor Option Kit

CONNECTIVITY

Networking

67Y1393 Lenovo PRO/1000 PT Dual Port Ethernet Adapter

RAID OPTIONS

ThinkServer RAID Options

67Y1459 ThinkServer TD230 SATA RAID 5 Upgrade
67Y1460 ThinkServer 9240-8i SAS/SATA RAID Adapter

MEMORY

ThinkServer DDR3 Memory – performance, low cost

67Y1432 ThinkServer 2GB DDR3 – 1333MHz (2Rx8) ECC RDIMM
67Y1433 ThinkServer 4GB DDR3 – 1333MHz (2Rx4) ECC RDIMM

HARD DISK DRIVES

ThinkServer SATA Hard Drives – enterprise-class reliability

67Y1400 ThinkServer 250GB 7.2K 3.5” SATA Hard Drive (HS/DC)
67Y1401 ThinkServer 500GB 7.2K 3.5” SATA Hard Drive (HS/DC)
67Y1402 ThinkServer 1TB 7.2K 3.5” SATA Hard Drive (HS/DC)

ThinkServer SAS Hard Drives – performance

67Y1437 ThinkServer 300GB SAS 15K 6Gbps Hard Drive (HS)
67Y1462 ThinkServer 450GB SAS 15K 6Gbps Hard Drive (HS)

BACKUP

RDX Backup – leveraging Data Deduplication for efficient backup

67Y1394 Lenovo 160GB Internal USB Bundle
67Y1395 Lenovo 160GB Data Cartridge
67Y1396 Lenovo 320GB Internal USB Bundle
67Y1397 Lenovo 320GB Data Cartridge
67Y1398 Lenovo 500GB Internal USB Bundle
67Y1399 Lenovo 500GB Data Cartridge

REMOTE MANAGEMENT

ThinkServer Remote Management

67Y1461 ThinkServer Remote Management Module v3

www.lenovo.com/thinkserver/europe

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